

topla



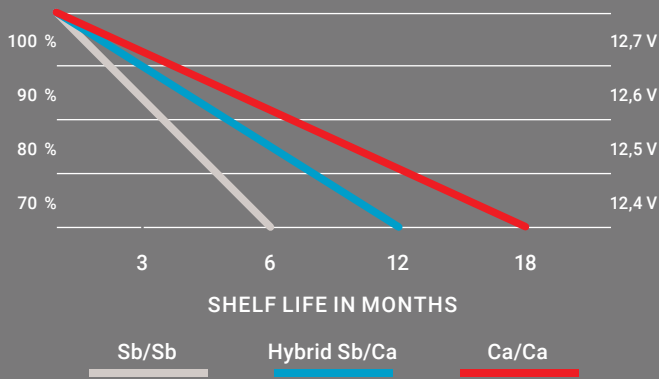
STARTER BATTERIES

TOPLA batteries

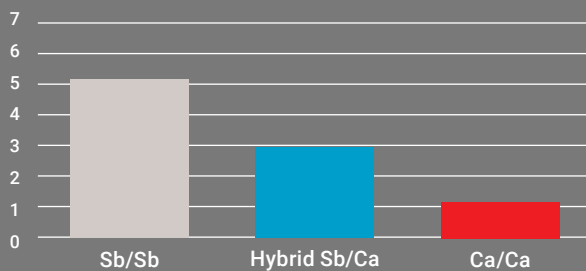
Thanks to our technology, batteries for cars and trucks express power and last a long time, thereby exceeding all expectations. Made for every type of vehicle, even the most innovative ones equipped with Start/Stop systems, they ensure the highest quality and the highest level of engineering for reliability that knows no boundaries.

ADVANCED CHOICE

Allowable shelf life (SELF-DISCHARGE)

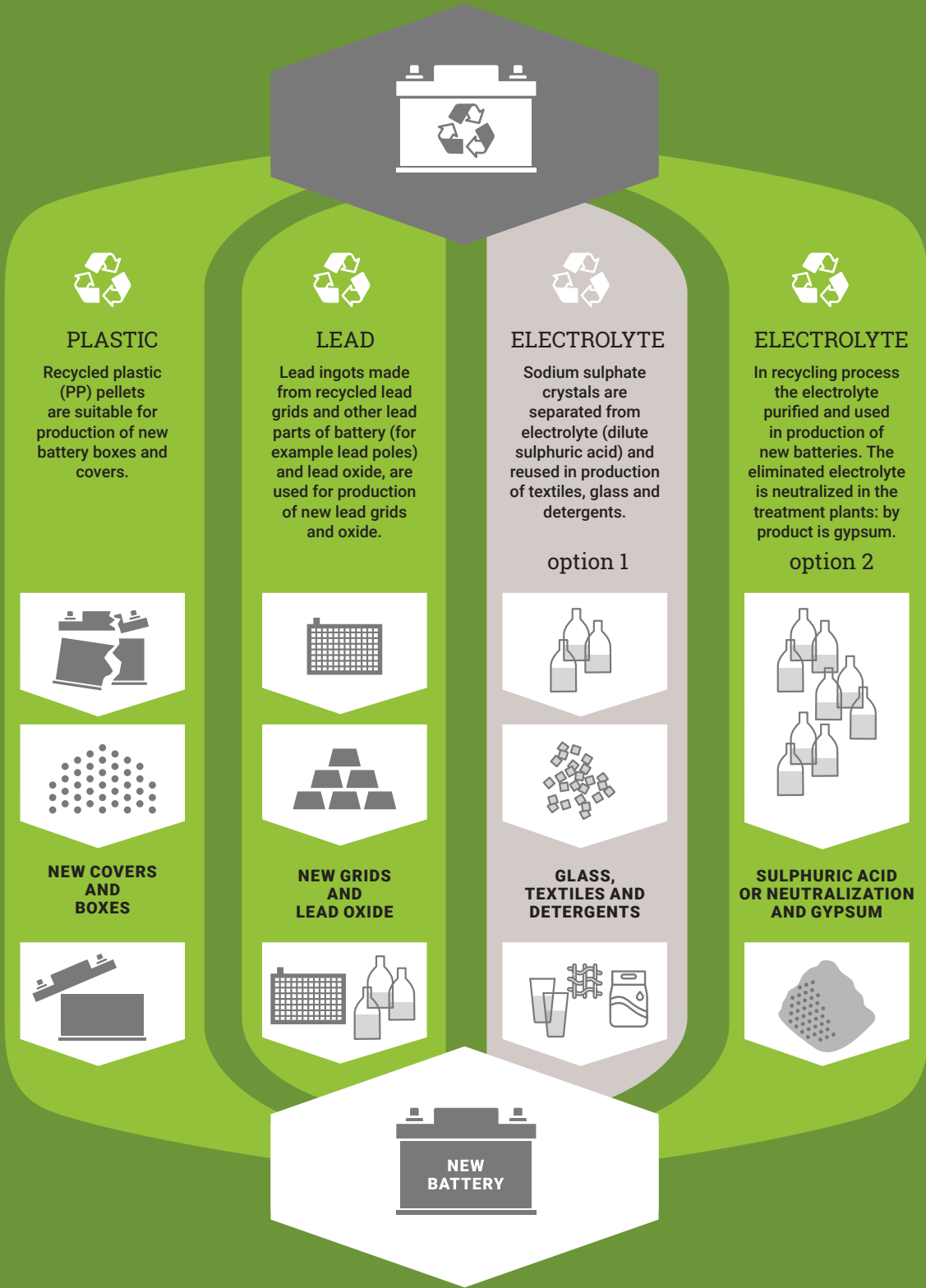


Water consumption (g/Ah)



BRUTE STRENGTH.
AUTHENTIC DRIVE.





EcoMotion

The EcoMotion system enables the recovery and reuse of lead, polypropylene, and sulphuric acid from used lead-acid batteries, ensuring sustainable resource management.

The production of lead-acid batteries starts with the supply of materials, with lead being the primary raw material. All used lead is sourced exclusively from secondary materials, including recycled waste lead batteries and other lead-based waste. Additionally, a portion of the technological waste is reintegrated into the production process, ensuring a sustainable and efficient use of resources.

Our commitment to a green future.



99% of the lead-acid batteries can be recycled



Lead can be recycled endlessly

COMMITMENT TO SUSTAINABILITY, SAFETY, AND ENVIRONMENTAL PROTECTION

For decades, TAB has remained dedicated to ensuring optimum safety, sustainability, and health while prioritizing environmental protection. The Company follows strict guidelines that are continuously updated to reflect the latest advancements, providing comprehensive protection for employees, neighbours, customers, consumers, and the environment.

TAB prioritizes sustainable development and recognizes its long-term responsibility to promote environmentally friendly practices. This commitment is rooted in a systematic approach to monitoring and minimizing environmental impact. TAB adheres to the ISO 14001 Standard, incorporates Best Available Techniques (BAT) guidelines into its environmental policy, and actively participates in various established environmental programs.

EcoMotion

TAB is committed to more than just manufacturing high-quality lead-acid batteries. Through its EcoMotion system, TAB ensures the environmentally responsible collection and recycling of used batteries.

EcoMotion embodies a closed-loop LiveCycle, encompassing every stage from battery production to recycling. TAB produces new batteries and, via its authorized sales and distribution network, collects used batteries for professional recycling at its subsidiary, MPI-Reciklaža.

This comprehensive approach reflects TAB's dedication to sustainability and environmental responsibility.

With 60+ years of expertise, TAB stands as one of the global leaders in the production of lead-acid batteries, trusted by both automotive and industrial sectors. Worldwide known for our durable, high-performance, and innovative products, TAB provides battery solutions for automotive, commercial and industrial vehicles as well as for advanced energy storage systems.

OUR SOLUTIONS POWER THE VEHICLES OF WORLD-LEADING BRANDS AND SUPPORT SYSTEMS THAT DEMAND CONTINUOUS, RELIABLE ENERGY.

From manufacturing and sales to dedicated servicing, TAB is your comprehensive partner in energy solutions.

Our Innovative Pole Cover Design.

Discover the Benefits of Our Pole Cover Design:

Enhanced Practicality and Usability:

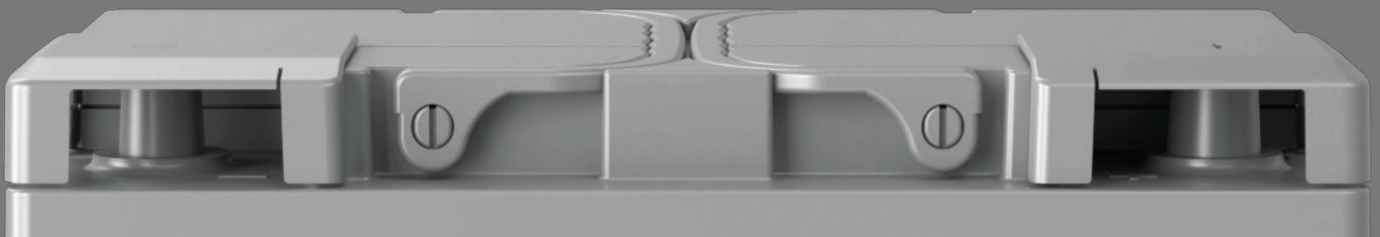
Our designed covers provide easy access to battery terminals on both sides, allowing cable connections without the need to remove the cover. This means quicker installations and maintenance, keeping you on the road longer.

















Superior Safety:

Engineered for peace of mind, our pole covers remain securely in place even after the battery is connected, significantly reducing the risk of short circuits and enhancing overall vehicle safety.

Eco-Friendly Innovation:

The covers are designed to stay with the battery throughout its entire life cycle, contributing to a cleaner, more sustainable environment. Not only do they enhance the battery's aesthetic appeal, but they are also fully recyclable, aligning perfectly with our eco-friendly initiatives. From production to recycling, every element of our battery design is crafted with nature in mind.



	Start/Stop Battery		Conventional Battery	
TOPLA Range	TOPLA AGM Stop&Go	TOPLA EFB Stop&Go	TOPLA Top	TOPLA Energy
				
Technology	AGM	EFB	Flooded	Flooded
Application	Recent vehicles and upmarket models with superior power needs, Start/Stop systems and regenerative braking	Recent vehicles and upmarket models with superior power needs, entry-level Start/Stop system	Recent vehicles and upmarket models with high energy demands	Vehicles with standard electrical equipment
Start/Stop	Start/Stop System	Start/Stop System	Conventional Battery	Conventional Battery
Maintenance	Maintenance Free	Maintenance Free	Maintenance Free	Maintenance Free (SMF and SMF+ cover) Reduced need for Maintenance (Kamina cover)
Cold Cramping Amps (CCA)				
Charge Acceptance				
Cycle life <small>Cycle life compared to conventional batteries when used on Start/Stop vehicles</small>	3X	2X		
Consumers				
Replacement	AGM	EFB or AGM	Equivalent or better	Equivalent or better

Untamed Power.
Proven Performance.



START
STOP





TOPLA AGM Stop&Go Batteries

ULTIMATE PERFORMANCE FOR ADVANCED START/STOP VEHICLES

TOPLA AGM Stop&Go batteries are advanced Valve Regulated Lead Acid (VRLA) batteries, specially engineered for vehicles equipped with enhanced Start/Stop systems and regenerative braking. These high-performance AGM batteries represent the premium tier of lead-acid battery technology.

Each cell is sealed with a pressure relief valve, and the electrolyte is immobilized in an Absorbed Glass Mat (AGM) for maximum reliability, safety, and energy efficiency. Compressed plate stacks improve overall performance and extend service life.

TOPLA AGM Stop&Go batteries are the top choice for drivers seeking dependable power and advanced energy management in modern vehicles.

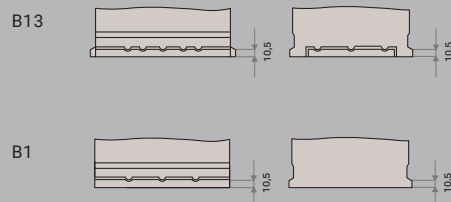


MAIN FEATURES

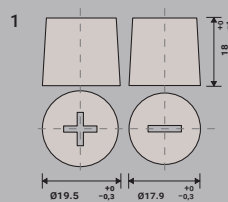
- **Low Water Consumption:** Internal oxygen recombination reduces water loss, ensuring longevity and reliability.
- **Three Times Longer Cycle Life:** Compared to conventional batteries, TOPLA AGM batteries offer up to three times the cycle life, providing long-lasting performance.
- **Improved Cyclic Capability:** Preventing active material shedding provides three times the energy throughput without loss of functionality.
- **Increased Cranking Power:** Better utilization of cell volume increases cranking power by over 30%.
- **Rapid Energy Recovery:** High charge acceptance allows for faster energy recovery during the driving phase, improving overall efficiency.
- **Superior Corrosion Resistance:** Special alloy preparation processes and composition improve corrosion resistance.
- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.



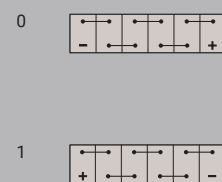
BHD



TERMINALS



LAYOUT



APPLICATION

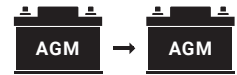


Absorbed Glass Mat Starter Batteries, **Ca/Ca** Technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000256	L2 AGM	TAG60	60	680	109	L2	242×175×190	B13	0	17,6	63/90	AGM, H
1000259	L3 AGM	TAG70	70	760	130	L3	278×175×190	B13	0	20,3	51/80	AGM, H
1000262	L4 AGM	TAG80	80	800	151	L4	315×175×190	B13	0	23,0	42/60	AGM, H
1000264	L5 AGM	TAG95	95	850	184	L5	353×175×190	B13	0	25,8	36/60	AGM, H
1000266	L6 AGM	TAG105	105	950	206	L6	394×175×190	B13	0	28,6	36/60	AGM, H
1000269	57029 AGM	TAG75	75	750	140	D26	261×173×198/220	B1	0	20,0	48/80	AGM, H
1000268	57024 AGM	TAG75X	75	750	140	D26	261×173×198/220	B1	1	20,0	48/80	AGM, H

BATTERY REPLACEMENT

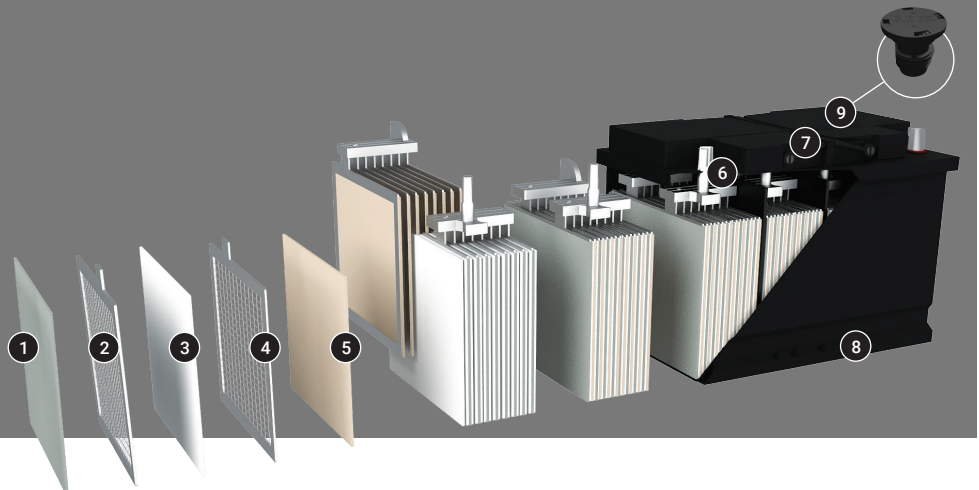
- **No Acid Stratification:** AGM batteries do not suffer from electrolyte stratification, ensuring stable power and a longer lifespan even in severe operating conditions.
- **Explosion Safety:** Minimizes the production of explosive gases, enhancing safety.
- **Vibration Resistance:** Designed to withstand vibrations, providing reliable power in challenging conditions.
- **Crash Protection:** No acid leakage occurs in the event of a crash, ensuring safety and integrity.
- **Car Fitting:** Installation in a lateral position is possible, with a maximum angle of 90°.
- **E-Mobility:** Used as an on-board battery in electric vehicles (e-cars).



REMARKS

AGM Absorbed Glass Mat
H Handle

- 1 NEGATIVE PASTE
- 2 NEGATIVE GRID
- 3 AGM SEPARATOR
- 4 POSITIVE GRID
- 5 POSITIVE PASTE
- 6 POLE
- 7 HANDLE
- 8 BHD
- 9 PLUG M18-VR



TOPLA EFB Stop&Go Batteries

RELIABLE ENERGY FOR BASIC START/STOP FUNCTIONS

TOPLA EFB Stop&Go batteries are Enhanced Flooded Batteries (EFB) designed for vehicles with entry-level Start/Stop systems. Built using the latest advancements in flooded battery manufacturing, they ensure steady, reliable power output.

Optimized for durability and efficient energy use, TOPLA EFB Stop&Go offers a smart, cost-effective solution for vehicles with basic Start/Stop technology.

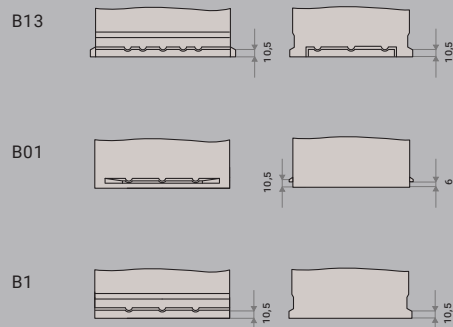


MAIN FEATURES

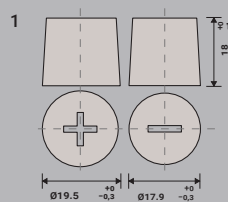
- **Twice the Cycle Life:** Offers double the cycle life compared to conventional batteries, ensuring longer-lasting performance.
- **MFW Fleece on Positive Plates:** Prevents active material shedding, significantly reducing the loss of functionality and extending battery life.
- **Improved Charge Acceptance:** Special carbon additives enhance charge acceptance, enabling faster energy recovery during the driving phase.
- **Enhanced Corrosion Resistance:** Advanced alloy technology ensures better resistance to corrosion, extending battery lifespan.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.



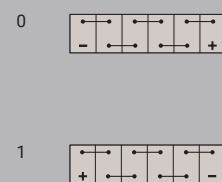
BHD



TERMINALS



LAYOUT



APPLICATION

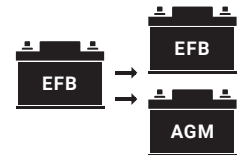


Enhanced Flooded Starter Batteries, **Ca/Ca** Technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1030212	55011 EFB	TSG50	50	540	81	L1	207×175×190	B13	0	14.1	72/100	SMF+, ME, H
1000238	56088 EFB	TSG60	60	640	100	L2	242×175×190	B13	0	16.6	63/90	SMF+, ME, H
1000239	56588 EFB	TSG65	65	650	110	L3B	278×175×175	B13	0	16.5	51/96	SMF, ME, H, HD
1000240	57088 EFB	TSG70	70	760	120	L3	278×175×190	B13	0	19.2	51/80	SMF, ME, H, HD
1000241	58014 EFB	TSG75	75	730	130	L4B	315×175×175	B13	0	18.2	42/72	SMF, ME, H, HD
1000242	58088 EFB	TSG80	80	800	140	L4	315×175×190	B13	0	21.9	42/60	SMF, ME, H, HD
1000243	59088 EFB	TSG90	90	850	161	L5	353×175×190	B13	0	24.6	36/60	SMF, ME, H, HD
1030216	60502 EFB	TSG10	105	950	195	L6	394×175×190	B13	0	27.1	36/60	SMF, ME, H, HD
1000246	56568 EFB	TSG65J	65	600	110	D23	230×173×200/221	B01	0	17.1	60/90	SMF, ME, H
1000245	56569 EFB	TSG65JX	65	600	110	D23	230×173×200/221	B01	1	17.1	60/90	SMF, ME, H
1000247	57029 EFB	TSG70J	70	680	120	D26	259×175×200/221	B1	0	19.6	48/80	SMF, ME, H
1000248	57024 EFB	TSG70JX	70	680	120	D26	259×175×200/221	B1	1	19.6	48/80	SMF, ME, H
1000237	60518 EFB	TSG10J	105	900	192	D31	306×173×200/221	B01	0	23.9	42/70	SMF, ME, H
1000244	60519 EFB	TSG10JX	105	900	192	D31	306×173×200/221	B01	1	23.9	42/70	SMF, ME, H

BATTERY REPLACEMENT

- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.
- **Instant Status Check:** The built-in electrolyte level indicator (Magic Eye) allows for easy and immediate battery status monitoring.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.
- **E-Mobility:** Used as an on-board battery in electric vehicles (e-cars).



REMARKS

SMF+ Enhanced SMF
SMF Sealed Maintenance Free

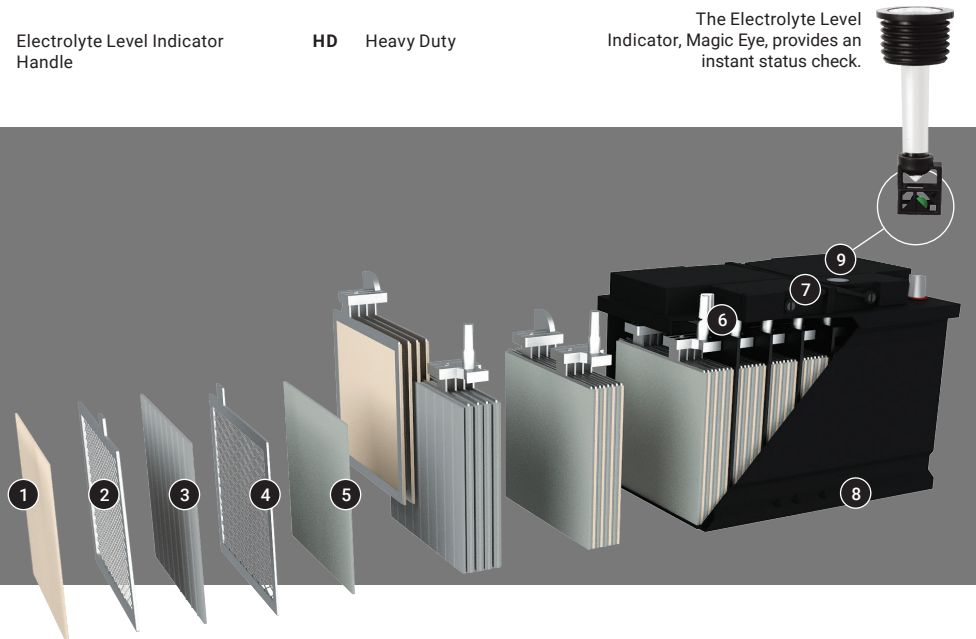
ME Electrolyte Level Indicator
H Handle

HD Heavy Duty

The Electrolyte Level Indicator, Magic Eye, provides an instant status check.



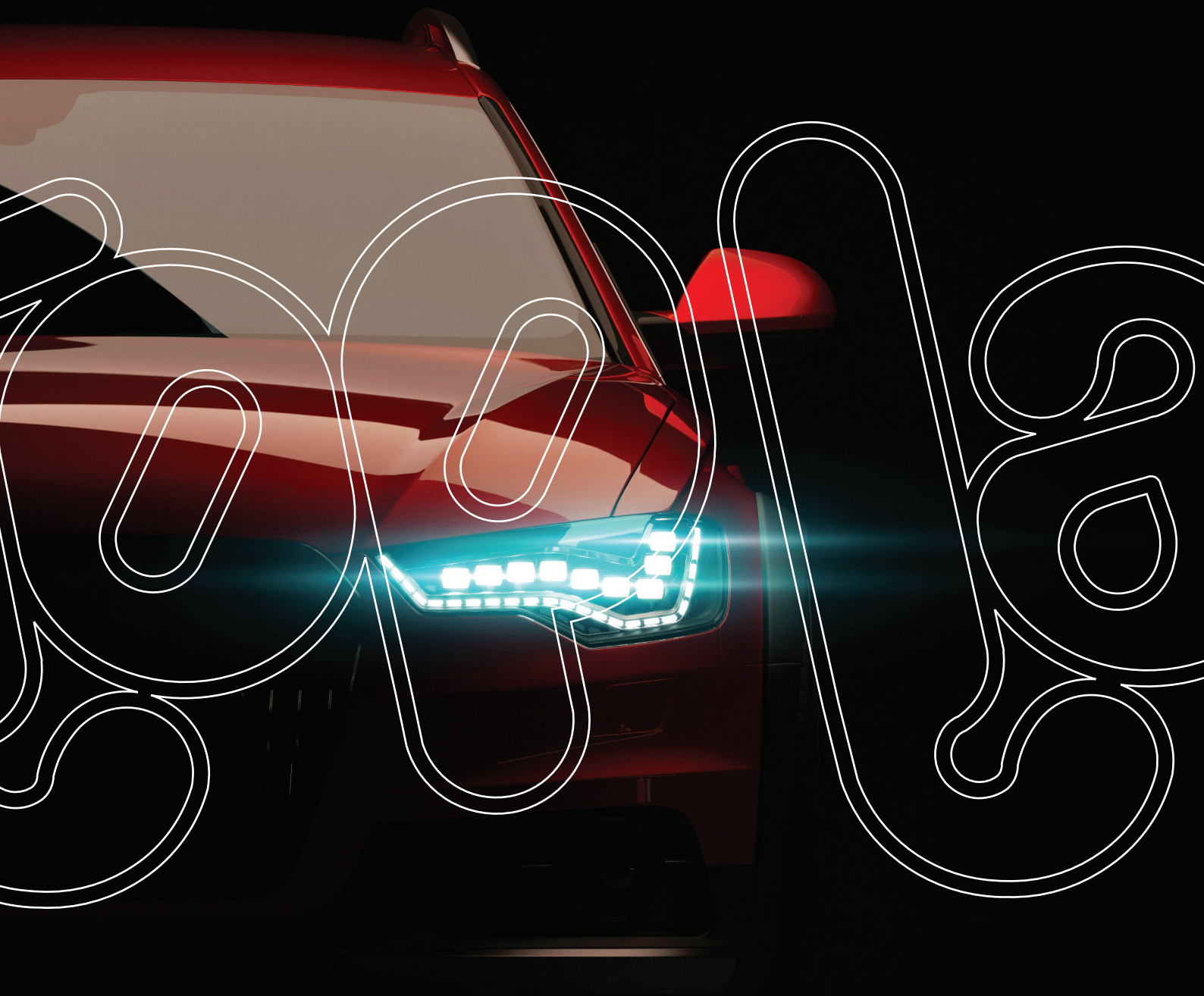
- 1 NEGATIVE PASTE
- 2 NEGATIVE GRID
- 3 POLYETHYLENE SEPARATOR
- 4 POSITIVE GRID
- 5 POSITIVE PASTE
- 6 POLE
- 7 HANDLE
- 8 BHD
- 9 MAGIC EYE



Engineered for Excellence.

-  Double Lid System
-  No Water Consumption
-  Low Water Consumption
-  Extreme Climactic Conditions
-  Reduced need for Maintenance
-  Maintenance Free
-  Spill-proof up to 55° angle
-  Roll-over Test
-  Magic Eye
-  +30% better Starting Capabilities
-  Nano Technology





TOPLA TOP Batteries

HIGH-TECH ENGINEERING
FOR MAXIMUM POWER

TOPLA TOP batteries combine the latest production innovations to deliver outstanding cold-start performance and consistent power output, tailored to vehicles with high energy consumption. The Sealed Maintenance Free (SMF) cover ensures complete spill protection and hassle-free use, while the integrated Magic Eye makes battery status easy to monitor.

TOPLA TOP provides the superior reliability and power needed for today's most demanding automotive systems. Available in a wide range of sizes and capacities, TOPLA TOP ensures the right fit for nearly any vehicle.

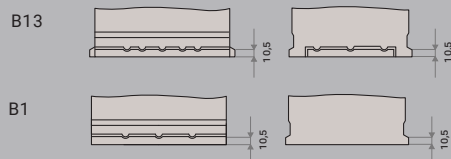
DRIVEN BY TECHNOLOGY,
BUILT FOR PERFORMANCE.
TOPLA TOP Batteries.



MAIN FEATURES

- **Perfect for High-Energy Vehicles:** Ideal for cars with extensive electrical equipment, providing reliable power.
- **Enhanced Starting Power:** A higher number of plates delivers 30% better starting capabilities.
- **Longer Lifespan:** Advanced expanded metal technology improves corrosion resistance, extending the battery's life.
- **Instant Status Check:** The built-in level indicator (Magic Eye) allows for easy and immediate battery status monitoring.
- **Enhanced Safety:** Explosion protection prevents flame brake-in into the battery.

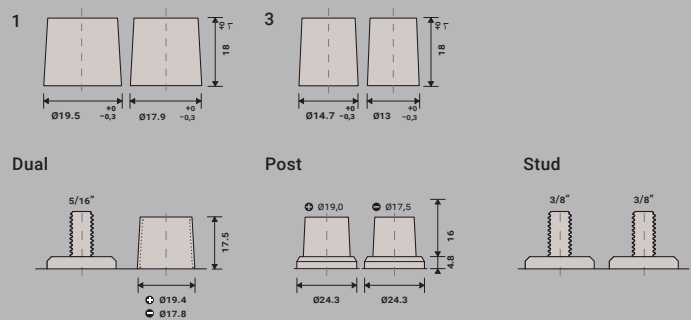
BHD



LAYOUT



TERMINALS



APPLICATION



Flooded Starter Batteries, **Ca/Ca** Technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000312	55401 SMF	TT54	54	510	88	L1B	207×175×175	B13	0	12.1	72/120	SMF+, ME, H
1000313	55510 SMF	TT55H	55	560	90	L1	207×175×190	B13	0	12.7	72/100	SMF+, ME, H
1000314	56249 SMF	TT62	62	600	104	L2B	242×175×175	B13	0	13.7	63/108	SMF+, ME, H
1000315	56649 SMF	TT66H	66	640	112	L2	242×175×190	B13	0	14.8	63/90	SMF+, ME, H
1000302	57510 SMF	TT75	75	720	130	L3B	278×175×175	B13	0	16.5	51/96	SMF, ME, H, HD
1000317	57549 SMF	TT78H	78	750	135	L3	278×175×190	B13	0	17.4	51/80	SMF, ME, H, HD
1000318	58514 SMF	TT85	85	800	150	L4B	315×175×175	B13	0	19.0	42/72	SMF, ME, H, HD
1000322	60044 SMF	TT100	100	920	182	L5	353×175×190	B13	0	22.3	36/60	SMF, ME, H, HD
1000214	61002 SMF	TT110H	110	1000	203	L6	394×175×190	B13	0	24.6	36/60	SMF, ME, H, HD
1000319	BCI 31P SMF	TT90BCIP	90	800	161	BCI 31	330×173×218/239	B1	0	23.1	42/60	SMF, ME, H, HD, P
1000299	BCI 31S SMF	TT100BCIS	100	900	182	BCI 31	330×173×218/239	B1	0	24.0	42/60	SMF, ME, H, HD, S
1000311	BCI31 SMF-D	TT110BCID	110	1000	203	BCI 31	330×173×218/237	B1	0	26.2	42/60	SMF, ME, H, HD, DP

BATTERY REPLACEMENT

- **Superior Quality:** Crafted to the highest standards for dependable performance.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.
- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF+ Enhanced SMF
SMF Sealed Maintenance Free

ME Electrolyte Level Indicator
H Handle

HD Heavy Duty
P Post Poles

S Stud Poles
DP Dual Poles





TOPLA TOP JIS

Flooded Starter Batteries, **Ca/Ca** Technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000324	53520 SMF	TT35J	35	270	53	B19	196×128×202/223	B0	0	9.4	96/128	SMF, H, JIS
1000332	53522 SMF	TT35JX	35	270	53	B19	196×128×202/223	B0	1	9.4	96/128	SMF, H, JIS
1000320	53520 SMF	TT35JP	35	270	53	B19	196×134×202/223	B01	0	9.4	96/128	SMF, H, JIS
1000304	54520 SMF	TT45J	45	360	71	B19	196×134×202/223	B01	0	10.5	96/128	SMF, H, JIS, A
1000303	54522 SMF	TT45JX	45	360	71	B19	196×134×202/223	B01	1	10.5	96/128	SMF, H, JIS, A
1000325	54523/84 SMF	TT45JA	45	360	71	B24	236×128×202/223	B0	0	11.7	72/96	SMF, H, JIS, A
1000333	54524/51 SMF	TT45JAX	45	360	71	B24	236×128×202/223	B0	1	11.7	72/96	SMF, H, JIS, A
1000305	55523/84 SMF	TT55J	55	490	90	B24	236×128×202/223	B0	0	13.1	72/96	SMF, H, JIS, A
1000308	55524/51 SMF	TT55JX	55	490	90	B24	236×128×202/223	B0	1	13.1	72/96	SMF, H, JIS, A
1000327	56068 SMF	TT60J	60	600	100	D23	230×173×200/221	B01	0	14.7	60/90	SMF, ME, H
1000334	56069 SMF	TT60JX	60	600	100	D23	230×173×200/221	B01	1	14.7	60/90	SMF, ME, H
1000316	56568 SMF	TT65J	65	650	110	D23	230×173×200/221	B01	0	15.3	60/90	SMF, ME, H
1000321	56569 SMF	TT65JX	65	650	110	D23	230×173×200/221	B01	1	15.3	60/90	SMF, ME, H
1000328	57029 SMF	TT70J	70	700	120	D26	259×175×200/221	B1	0	17.1	48/80	SMF, ME, H
1000335	57024 SMF	TT70JX	70	700	120	D26	259×175×200/221	B1	1	17.1	48/80	SMF, ME, H
1000329	57529 SMF	TT75J	75	740	130	D26	259×175×200/221	B1	0	17.9	48/80	SMF, ME, H
1000336	57524 SMF	TT75JX	75	740	130	D26	259×175×200/221	B1	1	17.9	48/80	SMF, ME, H
1000330	59518 SMF	TT95J	95	850	171	D31	306×173×200/221	B01	0	20.8	42/70	SMF, ME, H
1000337	59519 SMF	TT95JX	95	850	171	D31	306×173×200/221	B01	1	20.8	42/70	SMF, ME, H

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF Sealed Maintenance Free
H Handle

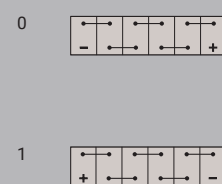
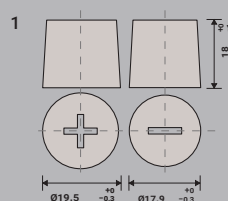
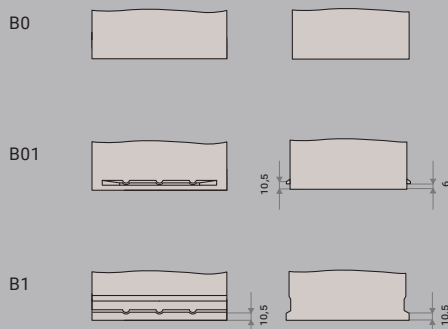
JIS Japanese Poles
A Pole Adapter

ME Electrolyte Level Indicator
HD Heavy Duty

BHD

TERMINALS

LAYOUT



TOPLA ENERGY Batteries

PROVEN POWER FOR
ALL DRIVING CONDITIONS

TOPLA ENERGY batteries are designed for vehicles with standard electrical systems, providing reliable starting power, solid performance, and dependable operation in all conditions.

As a true all-rounder, TOPLA ENERGY delivers excellent capacity and strong cold-start ability.

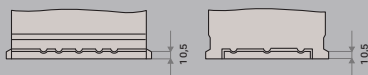


MAIN FEATURES

- **High Starting Power:** Delivers exceptional starting capabilities for reliable performance.
- **Enhanced Safety:** Explosion protection prevents sparks from entering the battery.
- **Reliable in Extreme Conditions:** Designed to perform dependably in even the most challenging climates.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.

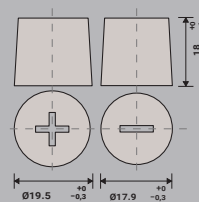
BHD

B13



TERMINALS

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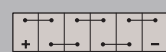


LAYOUT

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1



APPLICATION



Flooded Starter Batteries, **Ca/Ca** Technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000221	54506	E45H	45	400	71	L0	175×175×190	B13	0	10.4	72/120	K, B
1000202	54002 SMF	TS40	40	360	62	L1B	207×175×175	B13	0	10.6	72/120	SMF+, H, B
1000203	54502	E45	45	420	71	L1B	207×175×175	B13	0	11.1	72/120	KH
1000217	54403 SMF	E45X	45	420	71	L1B	207×175×175	B13	1	10.6	72/120	SMF+, H, B
1000204	55010	E50H	50	450	81	L1	207×175×190	B13	0	12.0	72/100	KH
1000205	55509	TS54	55	500	90	L2B	242×175×175	B13	0	13.2	63/108	KH
1000207	56008	E60H	60	600	100	L2	242×175×190	B13	0	14.2	63/90	KH
1000213	56265	E60X	60	600	100	L2	242×175×190	B13	1	14.2	63/90	KH
1000208	56649	E66H	66	620	112	L2	242×175×190	B13	0	14.8	63/90	KH
1000209	57309 SMF	E73	73	630	126	L3B	278×175×175	B13	0	15.8	51/96	SMF, H, HD, B
1000215	56638 SMF	S66H	66	600	112	L3	278×175×190	B13	0	16.0	51/80	SMF, H, HD, B
1000210	57412	E75	75	750	130	L3	278×175×190	B13	0	17.4	51/80	KH, HD
1000218	57413 SMF	E75X	75	700	130	L3	278×175×190	B13	1	17.3	51/80	SMF, H, HD, B
1000201	59249 SMF	E100V	100	800	182	L4	315×175×190	B13	0	19.8	42/60	SMF, KH, HD, B
1000211	59220	E92	92	800	165	L5B	353×175×175	B13	0	20.3	36/72	KH, HD, ME
1000219	60044	E100H	100	900	182	L5	353×175×190	B13	0	22.1	36/60	KH, HD, ME

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF+ Enhanced SMF

SMF Sealed Maintenance Free

H Handle

HD Heavy Duty

ME Electrolyte Level Indicator

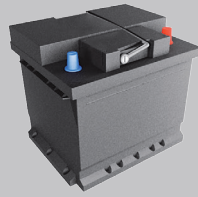
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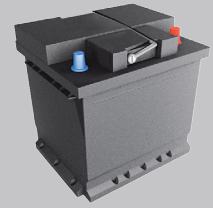
L0
175×175×190
B13



L1B SMF+
207×175×175
B13



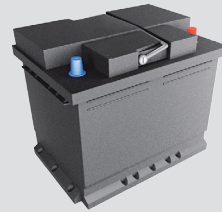
L1 SMF+
207×175×190
B13



L2B SMF+
242×175×175
B13



L2 SMF+
242×175×190
B13



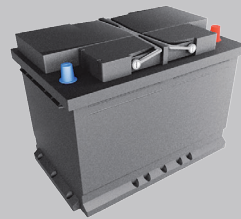
L2 AGM
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B13



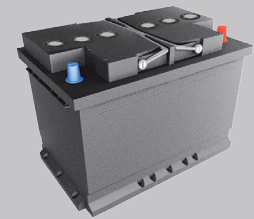
L3B SMF
278×175×175
B13



L3 SMF
278×175×190
B13



L3 AGM
278×175×190
B13



L4B SMF
315×175×175
B13



L4 SMF
315×175×190
B13



L4 AGM
315×175×190
B13



L5B SMF
353×175×175
B13



L5 SMF
353×175×190
B13



L5 AGM
353×175×190
B13



BOX TYPES

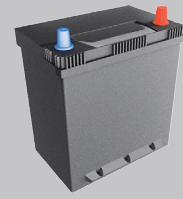
L6
394×175×190
B13



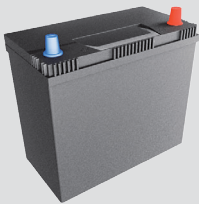
L6 AGM
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B13



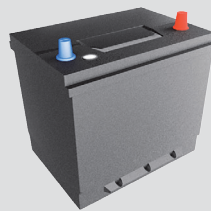
B19
196×134×202/223
B01



B24
236×128×202/223
B0



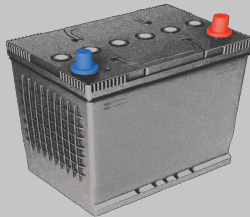
D23
230×173×200/221
B01



D26
259×175×200/221
B1



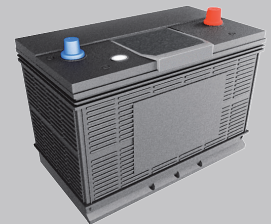
D26 AGM
261×173×198/220
B1



D31
306×173×200/221
B01



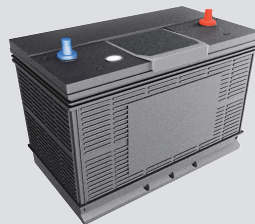
BCI 31 SMF
330×173×218/239
B1



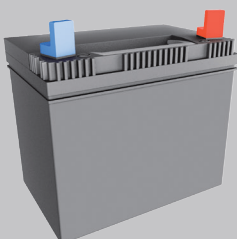
BCI 31 DUAL SMF
330×173×218/237
B1



BCI 31 STUD
330×173×218/239
B1



Mower
196×127×159/185
B0


















Raw Power. Real Performance.



-  Double Lid System
-  No Water Consumption
-  Low Water Consumption
-  Extreme Climatic Conditions
-  Reduced need for Maintenance
-  Maintenance Free
-  Spill-proof up to 55° angle
-  Magic Eye
-  +30% better Starting Capabilities
-  V4
-  Vibration Resistance
-  Electrolyte Mixing System

Commercial Vehicle Batteries

TOPLA Range	TOPLA EFB	TOPLA TOP Truck	TOPLA ENERGY Truck
			
Technology	EFB	Flooded Ca/Ca	Flooded Ca/Ca
Application	Recent commercial vehicles with increased energy demands of long-distance traffic, numerous comfort and safety features, also off-highway and heavy-duty application	Commercial vehicles with high energy demands of long-distance traffic, also off-highway and heavy-duty application	Commercial vehicles with standard energy demands of highway and off-highway traffic and also heavy-duty application
Vibration Resistance (EN-50342-1)	V4	V3/V4 (depending on a type)	V3
Maintenance	Maintenance Free	Maintenance Free	Low Maintenance
Cold Cramping Amps (CCA)			
Charge Acceptance			
Cycle life			
Deep-Cycle Resistance			
Replacement	EFB	Equivalent or better	Equivalent or better

TOPLA EFB Commercial Vehicle Batteries

READY TO MEET THE DEMANDS OF TODAY'S TRANSPORT

The growing demands of commercial vehicles require advanced power solutions. TOPLA EFB TRUCK batteries are built to support increased energy usage from modern safety and comfort systems, as well as frequent stops and fast recharge needs.

Special cell design enables vertical electrolyte agitation, boosting the efficiency of active materials. Combined with HD (Heavy Duty) build and VTL (Vibration Top Locking) for superior vibration resistance, these batteries offer unmatched durability.

TOPLA EFB TRUCK delivers the performance and reliability essential for modern transport transportation systems.

Start Strong.
GO FURTHER.



MAIN FEATURES

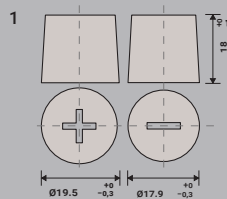
- **Euro 6 Compatible:** Designed for Euro 6 trucks, including “end of frame” installations, ensuring compatibility with modern vehicle standards.
- **Electrolyte Mixing System:** Promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.
- **Excellent Vibration Resistance – V4:** Thanks to the HD-VTL design, the battery offers superior vibration resistance, ensuring reliability even in rough conditions.
- **Increased Capacity:** Designed to handle higher energy demands, providing more reliable power for commercial vehicles.
- **More Energy During Stops:** Provides enhanced energy storage, ensuring consistent performance during frequent and irregular stops.
- **New Positive Active Mass Composition:** Delivers greater resistance to deep cycling, extending the battery's service life and improving its performance over time.

BHD

B0



TERMINALS



LAYOUT



APPLICATION

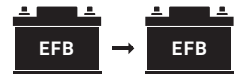


Enhanced Flooded Batteries, **Ca/Ca** technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001917	69032 EFB	TSG19	190	1100	385	B	513×222×194/216	B0	3	44.8	21/28	SMF, ME, H, HD, EMS, V4
1001777	74027 EFB	TSG24	240	1250	506	C	517×275×214/236	B0	3	58.2	18/24	SMF, ME, H, HD, EMS, V4

BATTERY REPLACEMENT

- **Improved Dynamic Charge Acceptance:** Allows the battery to accept charges more quickly, making it ideal for short, frequent recharging cycles.
- **New Separators:** Advanced separators enhance the battery's durability and reduce the risk of internal short circuits.
- **Partial State of Charge Operation:** Capable of functioning effectively even in partial states of charge, offering more flexibility in energy usage.
- **Longer Battery Life:** Engineered for extended longevity, ensuring fewer replacements and reduced maintenance costs.

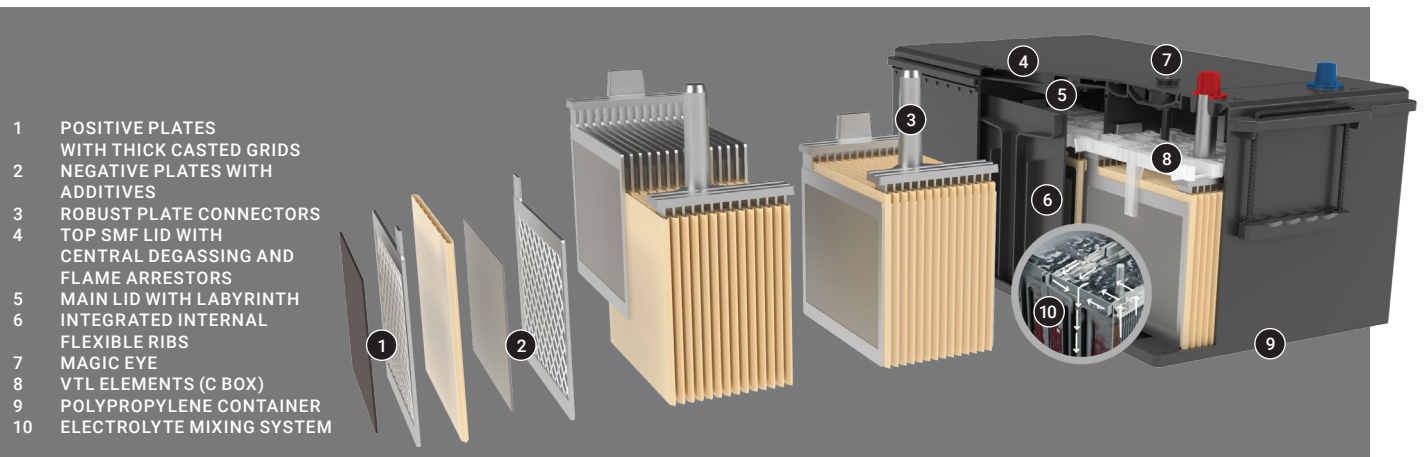


REMARKS

SMF Sealed Maintenance Free
ME Electrolyte Level Indicator

H Handle
HD Heavy Duty

EMS Electrolyte Mixing System
V4 Vibration Resistance (EN-50342-1)



- 1 POSITIVE PLATES WITH THICK CASTED GRIDS
- 2 NEGATIVE PLATES WITH ADDITIVES
- 3 ROBUST PLATE CONNECTORS
- 4 TOP SMF LID WITH CENTRAL DEGASSING AND FLAME ARRESTORS
- 5 MAIN LID WITH LABYRINTH INTEGRATED INTERNAL FLEXIBLE RIBS
- 6 MAGIC EYE
- 7 VTL ELEMENTS (C BOX)
- 8 POLYPROPYLENE CONTAINER
- 9 ELECTROLYTE MIXING SYSTEM
- 10

TOPLA TOP Truck Batteries

STRONG STARTS FOR
HEAVY-DUTY APPLICATIONS

TOPLA TOP Truck batteries incorporate the latest manufacturing innovations to deliver exceptional starting power and stable energy for commercial vehicles with high electrical loads.

Built for tough environments, they include a Sealed Maintenance Free (SMF) cover that provides full spill protection and requires no maintenance during the battery's lifetime.

TOPLA TOP Truck is the go-to choice for heavy-duty, high-demand commercial applications.

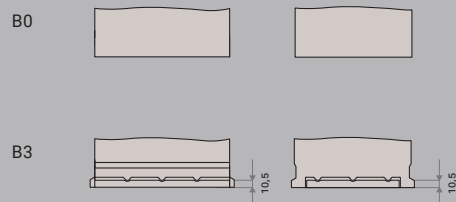
Built to Last.
ENGINEERED TO DELIVER.
TOPLA TOP Truck batteries.



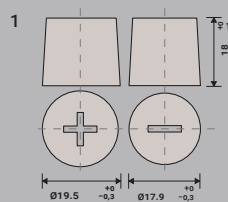
MAIN FEATURES

- **Sealed Cover Construction:** Provides complete protection against leaks and spills.
- **Expanded Metal Technology:** Enhances corrosion resistance, significantly extending battery lifespan.
- **Magic Eye Level Indicator:** Offers an instant and easy battery status check.
- **Explosion Protection:** Safeguards the battery from flame intrusion for added safety.
- **Ideal for High-Energy Vehicles:** Perfect for commercial vehicles with numerous electrical systems.
- **Highest Quality:** Built to the highest standards, ensuring reliability and long-lasting performance.
- **Electrolyte Mixing System:** Available in B and C box types, this system promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.

BHD



TERMINALS



LAYOUT



APPLICATION



Flooded starter batteries, **Ca/Ca** technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000860	63544 SMF	TT13M	135	850	258	MAC110	509×175×196/218	B3	3	33.1	24/40	SMF, ME, H, HD
1000842	64030 SMF	TT14	140	850	269	A	507×188×200/222	B0	3	35.3	24/35	SMF, ME, H, HD
1026930	65048 SMF	TT15M	150	1000	292	MAC110	509×175×196/218	B3	3	36.4	24/40	SMF, ME, H, HD
1001757	65018 SMF	TT15	150	950	292	B	513×222×194/216	B0	3	39.6	21/35	SMF, ME, H, HD, EMS, V4
1001758	68032 SMF	TT18	180	1100	361	B	513×222×194/216	B0	3	42.8	21/28	SMF, ME, H, HD, EMS, V4
1000838	70027 SMF	TT20	200	1200	409	C	517×275×214/236	B0	3	52.5	18/24	SMF, ME, H, HD, EMS, V4
1000387	72527 SMF	TT22	225	1300	469	C	517×275×214/236	B0	3	55.8	18/24	SMF, ME, H, HD, EMS, V4

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF Sealed Maintenance Free
ME Electrolyte Level Indicator

H Handle
HD Heavy Duty

EMS Electrolyte Mixing System
V4 Vibration Resistance (EN-50342-1)



TOPLA ENERGY Truck Batteries

TRUSTED POWER
FOR EVERY JOURNEY

TOPLA ENERGY Truck batteries are built for commercial vehicles with standard power requirements. They offer excellent starting performance, robust operation, and long-term reliability.

Designed to perform in both daily use and harsh operating conditions, TOPLA ENERGY Truck ensures reliable energy when it matters most.

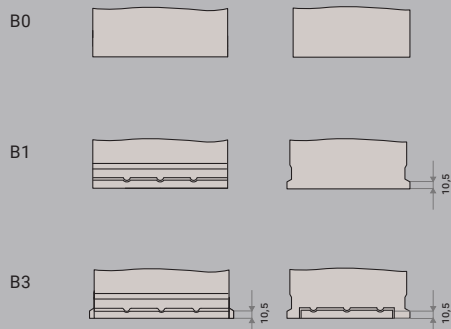
Superior Power
FOR EVERY CHALLENGE.
TOPLA Energy Truck batteries.



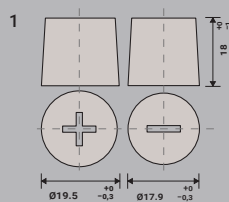
MAIN FEATURES

- **High Starting Capabilities:** Delivers strong starting power even under tough conditions.
- **Reliable Performance in Extreme Climates:** Ensures dependable starting and operation in a wide range of temperatures.
- **Ca/Ca Technology:** Manufactured using advanced Ca/Ca technology for optimal performance and durability. The battery is equipped with a flat lid and M27 plugs for easy access and simple maintenance.
- **Hybrid design:** Only minimal maintenance required, while maintaining a high tolerance on charging requirements.
- **Electrolyte Mixing System:** Available in B and C box types, this system promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.

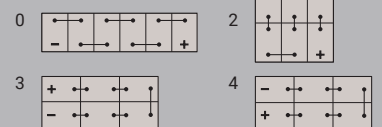
BHD



TERMINALS



LAYOUT



APPLICATION



Flooded starter batteries, **Ca/Ca** technology

Topla ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000614	61028	ET11	110	800	203	60528	345×172×218/238	B0	0	26.5	36/48	H
1000617	61028	ET11P	110	800	203	60528	345×175×218/238	B1	0	26.5	36/48	H
1000515	61044	ET11M	110	720	203	MAC 110	509×175×182/202	B3	3	31.0	24/40	H, HD
1000615	62512	ET12H	125	800	236	62512	345×172×269/289	B0	0	31.0	24/36	H
1000616	63512	ET13H	135	800	258	62512	345×172×269/289	B0	0	31.0	24/36	H
1003042	63530	ET13A	135	850	258	A	513×189×194/216	B0	3	35.3	24/35	H, HD
1000504	63544	ET13M	135	850	258	MAC 110	509×175×182/202	B3	3	33.1	24/40	H, HD
1003043	63545	ET13MR	135	850	258	MAC 110	509×175×182/202	B3	4	33.1	24/40	H, HD
1000498	68032	ET18	180	1100	361	B	512×223×194/216	B0	3	42.8	21/28	H, HD, EMS
1000500	69032	ET19	190	1200	385	B	512×224×194/216	B0	3	42.8	21/28	H, HD, EMS
1003045	70027	ET20C	200	1200	409	C	518×273×214/235	B0	3	52.2	18/24	H, HD, EMS
1003046	72527	ET22	225	1300	469	C	518×273×214/235	B0	3	55.5	18/24	H, HD, EMS
1000117	6TN	EN11D7	110	740	203	D7	283×269×208/230	B0	2	30.8	24/36	H, HD
1002927	6TLD	EN12D7	125	900	236	D7	283×269×208/230	B0	2	33.9	24/36	H, HD

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.

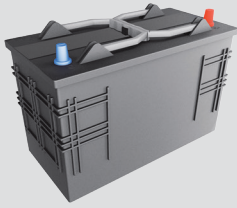
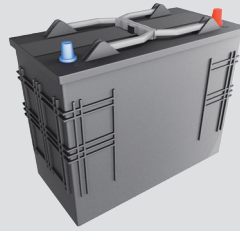
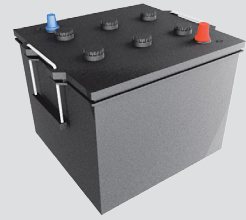
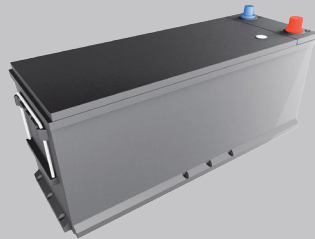
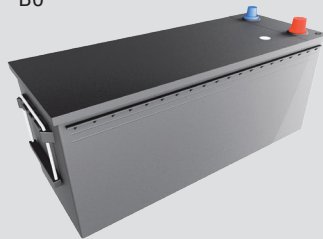
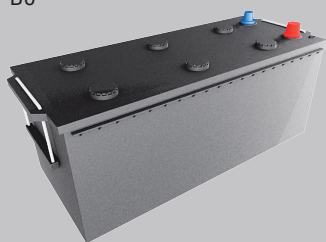
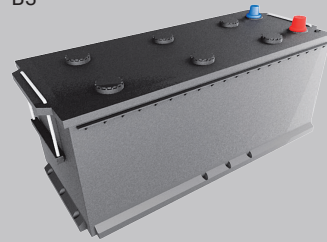
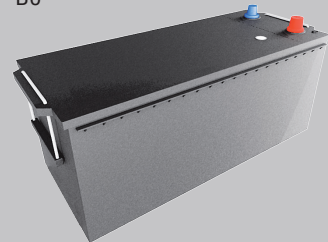
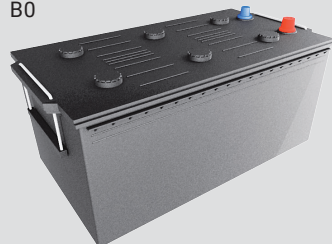


REMARKS

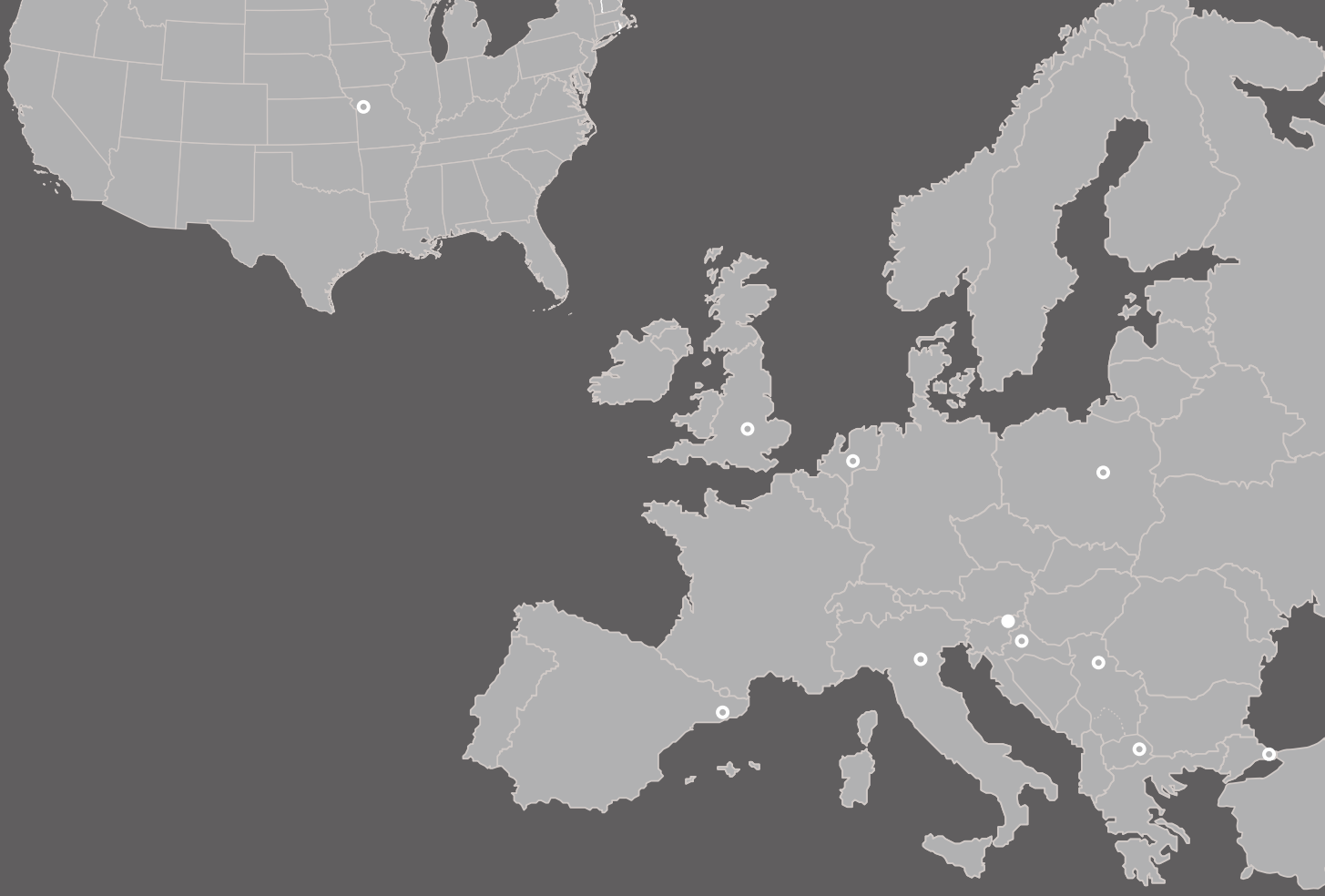
H Handle
HD Heavy Duty

EMS Electrolyte Mixing System



60528345×172×218/238
B0**62512**345×172×269/289
B0**D7**283×269×208/230
B0**MAC110**509×175×182/202
B3**MAC110 SMF**509×175×196/218
B3**A**513×189×194/216
B0**A SMF**507×188×200/222
B0**B**512×223×194/216
B0**B**512×224×194/216
B3**B SMF**513×222×194/216
B0**C**518×273×214/235
B0**C SMF**517×275×214/236
B0**BOX TYPES**

All measures and weights are within standard production tolerances.
Technical modifications are reserved without prior notice. Weight tolerance is $\pm 5\%$.



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ENERGY IN MOTION

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